

Abstract of the Disclosure

A method for maintaining a viability level of a metabolite in a biological sample comprising disposing a biological sample into a solute solution comprising a solute and a chemical selected from the group consisting of a monosaccharide, a monosaccharide polyol, a cell metabolite-controlling agent, a salt, and mixtures thereof; and incubating the biological sample in the solute solution while maintaining a viability level of a metabolite in the biological sample.